

METHOD AND APPARATUS FOR WIRELESS NETWORK TIMEKEEPING AND SYNCHRONIZATION

ABSTRACT

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A system, method, apparatus, and means for generating timing information in a wireless communication network comprises detecting, at a mobile unit, accurate timing information, wherein the mobile unit is in a cell area serviced by a base station. Association data is generated which associates the accurate timing information with base station timing information maintained by the base station. Network timing information is updated by using or storing the association data. Pursuant to embodiments of the present invention, the association data is stored and maintained at a central network authority from where it may be disseminated to mobile units and base stations in the network.